

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 02-100639 (71)Applicant : SONY CORP
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(54) **SOLID-STATE IMAGE PICKUP DEVICE**

(57)Abstract:

PURPOSE: To reduce the power consumption of the title device and, at the same time, to improve the sensitivity of the device by wiring signal lines in the horizontal direction and commonly using the row selection to the row selecting reset switches and row selecting switches of two adjacent picture elements.

CONSTITUTION: Signal lines 1S are wired in the horizontal direction and two adjacent selecting lines, for example, the selecting line to the transistor TRX for horizontal resetting at the picture element 1 of the (n-1)th row and the selecting line to the transistor TX for horizontal switching at the picture element 1 of the nth row are commonly used by one row selecting line 1X. Accordingly, the number of scanning circuits arranged around an image section 3 can be reduced to three, one horizontal scanning circuit 5 and two vertical scanning circuits 4a and 4b, as compared with the conventional image pickup device and the power consumption of this device can be reduced. Also, as a consequence, the number of wiring affecting the numerical aperture of the picture element 1 can be reduced to 3, and the sensitivity of the device can be improved.

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